

## We Claim:

1. A method for analyzing particles comprising the steps of:  
electrokinetically moving the particles, and  
subjecting the particles to optical forces for analysis.

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2. The method of claim 1 wherein the optical force is an optical gradient force.

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3. The method of claim 1 wherein the optical force is a moving optical gradient field.

4. The method of claim 1 wherein the optical force is an optical scattering force.

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5. The method of claim 1 wherein the electrokinetic force is an electrophoretic force.

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6. The method of claim 1 wherein the electrokinetic force is a dielectrophoretic force.

7. The method of claim 1 wherein the electrokinetic force is an electroosmotic force.

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8. The method of claim 1 wherein the particles are moved along a surface.

9. The method of claim 8 wherein the surface is a planar surface.

10. The method of claim 9 wherein the planar surface includes electrodes.

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11. The method of claim 10 wherein the electrodes are arranged in an array.

12. The method of claim 8 wherein the surface includes a channel.

13. The method of claim 1 wherein the movement occurs through a tube.

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